The following softwares required in order create and run your HTML web pages.

- To create HTML pages we need to any one of the following IDEs.
- IDEs for UI Technologies
  - Notepad, Notepad++, VS Code, Atom, Brackets, Sublime text etc.
- To run your web page we need a browser.

# Structure of HTML Document

<!DOCTYPE html>

<html>

<head>

    <title> </title>

    <style> </style>

    <script></script>

</head>

<body>

  ….actual body of the web page will be here

</body>

</html>

To see the source of your web page while running your web page in browser.

**Basic Tags**

<p>  :- It is a tag which is used to write a paragraph which will be automatically starts in a new line.

<br> :- It is a tag which is used to give line breaks in between the paragraphs.

**Demo1.html**

```
<!DOCTYPE html>
<html>
    <head>
        <title>My Second web page</title>
    </head>
<body bgcolor="yellow" text="blue">
<h1 align="center">Welcome to HTML</h1>
    <p align="right">Date: 23-08-2024,</p>
    <p align="right">Hyderabad.</p>
```

```
	<p align="left"> This is my first paragraph in this web page. This is my first paragraph in this web page. This is my first paragraph in this web page. This is my first paragraph in this web page.

	</p>

	<p align="centre"> This is my second paragraph. This is my second paragraph. <br>My name is Prakash. This is my second paragraph. This is my second paragraph. </p>


</body>
</html>
```

Almost all tags, attributes in html follows American English(US English).

Eg. Bgcolor

Center

Behavior

Headings:- Headings are used to display the main purpose of your web page content.

Try to give some catchy names or easily understandable names for headings.  So that your web page will be searched by many users.

There are 6 heading available in HTML

<h1> to <h6>

<h1> is top most important heading in your web page. It will be displayed with biggest size.

<h6> is least important heading in your web page. It will be displayed with smallest size.


**Demo3.html**

```
<!DOCTYPE html>
<html>
    <head>
      <title>My Third web page</title>
    </head>
<body bgcolor="lightblue">
<h1>Welcome to Naresh IT</h1>
<h2>Welcome to Naresh IT</h2>
<h3>Welcome to Naresh IT</h3>
<h4>Welcome to Naresh IT</h4>
<h5>Welcome to Naresh IT</h5>
```

\<h6>Welcome to Naresh IT\</h6>

\</body>

\</html>

24-08-2024.

Hyderabad.

To

The Principal,

ABC Eng college,

Hyderabad.

Sub:- Request for leave on 27-08-2024

I am a student of ABC eng college studying 2$^{nd}$ year of Mech. I am very regular student who …………….. . As I am suffering from fever please grant me leave for one day.

Thank you

Yours faithfully,

Name of Student.

Go to ==bing.com== or google.com and type

Visual Studio Code download (Vs Code download)

Install

## ==Different ways to Run your web page (HTML page)==
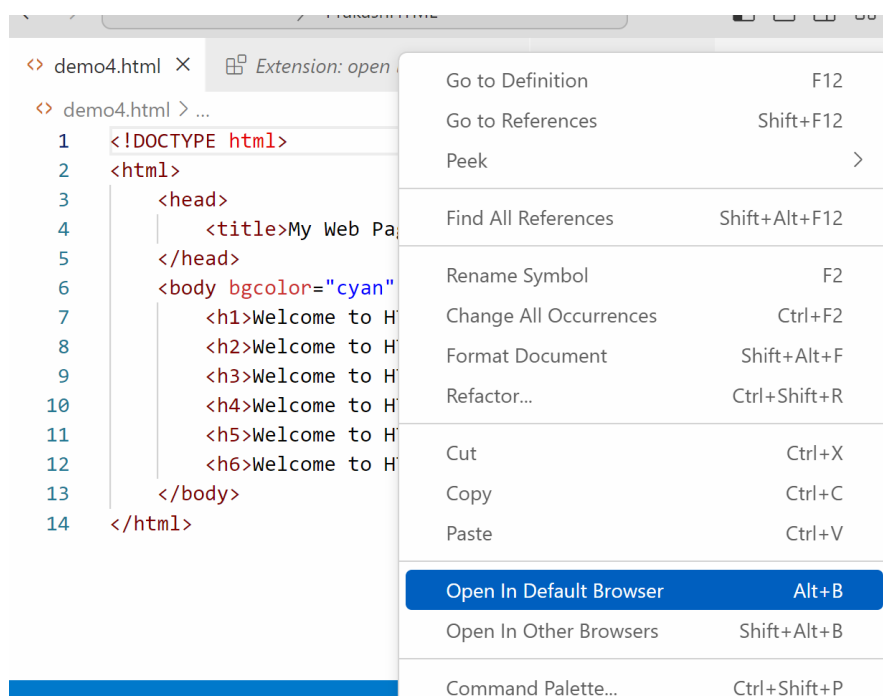
1. Open browser and type physical path of your web page in address bar and hit enter.

                              (or)

2. Open your folder and double click on your web page (e.g. demo1.html). It will open automatically in your default browser.

                              (or)

3. Right click on web page source code → Open in Default Browser (or) Open in Other browsers (or) Press Alt + B )

## Creating a HTML file in VS Code (Visual Studio Code)

Open Visual Studio Code → File → Open Folder → Select your folder from your system → Select Folder (e.g. D:\PrakashHTML)
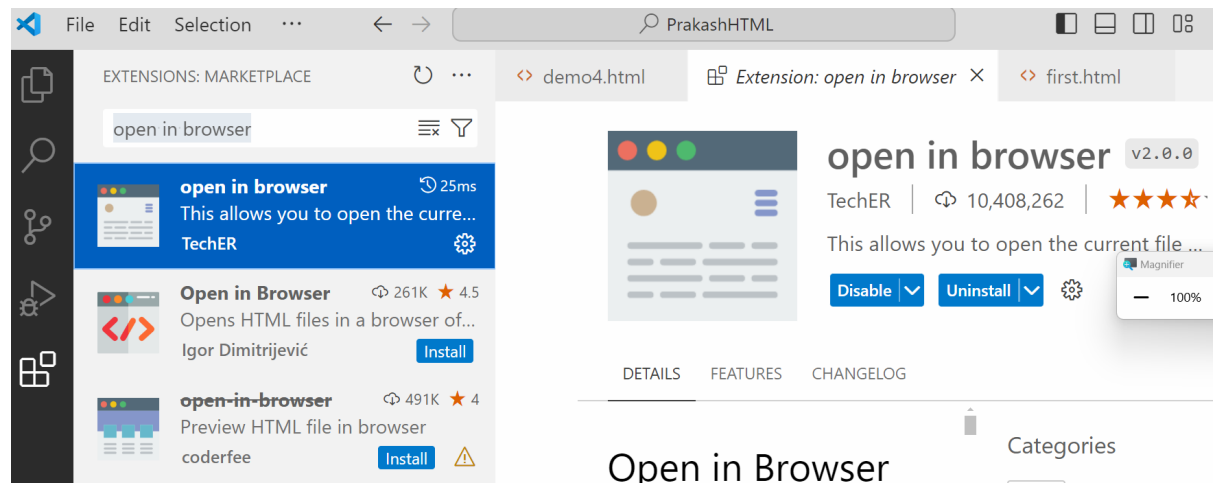
(then you are able to see all the files from your folder)

Go to Explorer (which is on the left side of your VS Code) → New File (on your folder)→ Enter file name with .html extension (e.g. demo4.html) and press enter.

Right side pane of VS code is the content of your web page. You can write your source code here.

Go to Extensions → **open in browser** → **Install**



**Nested Elements**:

When write one tag inside another tag it's called Nested element. All the html elements should be properly nested.

**Proper Nesting means:**

Whichever tag is opened first, should be closed last. And whichever tag is opened last, should be closed first.

**Formatting Tags in HTML**

<b>  it is used to display the text in bold.

<i>  It is used to display the text in italic.

<u>  It is used to display text with underline.

**<center>** It is used to align the elements with center alignment.

**<font>** It is used to specify the font style, size, color etc.

<big>

<small>

<ins>

<del>

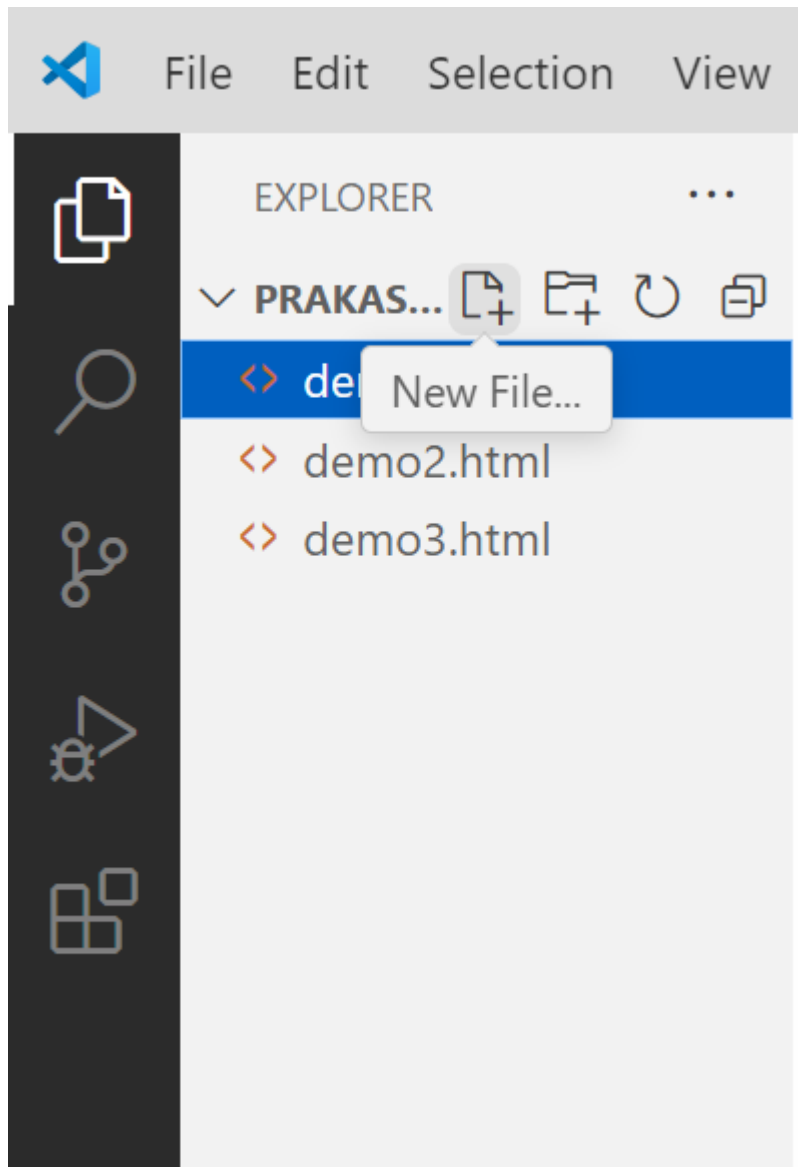<sup>

<sub>

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Web Page 4</title>
  </head>
```

```html
<body bgcolor="cyan" text="blue">
  <center>
    <h1>Welcome to HTML</h1>
    <h2>Welcome to HTML</h2>
    <h3>Welcome to HTML</h3>
    <h4>Welcome to HTML</h4>
    <h5>Welcome to HTML</h5>
    <h6>Welcome to HTML</h6>
  </center>
</body>
</html>
```

==Demo5.html==

```html
<!DOCTYPE html>
<html>
    <head>
        <title>My Web page 5</title>
    </head>
    <body bgcolor="lightgreen" text="darkblue">
        <h1 align="center">Welcome to Naresh IT</h1>
        <hr color="red" size="8" width="75%">
        <p>
            <b> Naresh Technologies</b> is one of the best
<i>software training</i> institites in <u>Hyderabad.</u>

            Naresh IT is one of the best software training
institites in Hyderabad.

            Naresh IT is one of the best software training
institites in Hyderabad.

            Naresh IT is one of the best software training
institites in Hyderabad.

        </p>
        <p>
            <font face="arial" color="red" size="4">
```

<b> Naresh Technologies</b> is one of the best <i>software training</i> institites in <u>Hyderabad.</u>

Naresh IT is one of the best software training institites in Hyderabad.

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</font>

</p>

</body>

</html>